

TOP SECRET

Approved For Release 2003/01/24 : CIA-RDP63-00313A000500040003-0

[REDACTED]  
[REDACTED]

04 JAN 1963

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NRO REVIEW COMPLETED

MEMORANDUM FOR THE RECORD

SUBJECT: Critique of the First LANYARD CPX [REDACTED]

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1. A critique of the first LANYARD CPX [REDACTED] was held at Headquarters 27 December 1962. The following organizations were represented by:

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Project Headquarters:

[REDACTED]

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Lockheed Aircraft : Lt. Colonel Murphy  
Corporation (LAC)

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NPIC

:

[REDACTED]

WECEN

:

Lt. Colonel J. Allen  
Captain G. Kindle

NRO

:

[REDACTED]  
Colonel Herron  
Lt. Colonel Howard

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BMD

:

Captain Cannon

Eastman Kodak

:

[REDACTED]

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2. After introductory remarks by Colonel Ledford, Project Headquarters, all aspects of the CPX were discussed and problem areas were analyzed. Items on the agenda were discussed (See Attachment 1 for Agenda). Solutions to all problems were effected during the meeting and no outstanding areas of conflict were left at the conclusion of the meeting.

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3. The following areas of responsibilities were agreed to:

A. Project Headquarters:

(1) Will supply Lockheed Aircraft Corporation (LAC) primary and secondary inclination angle selection at launch minus 35 days.

(2) Will supply LAC final inclination angle selection at launch minus 25 days.

(3) Will supply LAC camera program not later than (NLT) launch minus 21 days for L-1.

(4) Will supply LAC camera settings NLT launch minus 15 days.

B. LAC:

Pre-Flight:

(1) Will supply one-minute plot to Headquarters as soon as available.

(2) At receipt of camera program plus two days, provide Headquarters with any gross errors in camera program detected by computer.

(3) At receipt of camera program plus ten days, supply Headquarters with computer "Look Position" for each camera operation.

Inflight: (WECEN, HQS, NPIC)

(1) One-minute plot. Command checker and set of orbital elements covering Revs. 1-17, based on Rev. 2 data.

(2) Same as above based on Rev. 9 data covering Revs. 1-65.

(3) Same as above based on Rev. 25 data covering Revs. 25-65.

(4) Same as above based on Rev. 41 data covering Revs. 41-65.

4. Performance estimate covering the preceding day will be issued starting day two following through day five.

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5. At the meeting there was general agreement that the [ ] type messages will be examined and wherever duplication exists, it will be eliminated and these messages will be transmitted to arrive at launch plus 24 hours. [ ] type messages will be sent in installments as required. Eastman Kodak and NRO are to be added.

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7. It was also agreed that the SI camera is a primary item.

8. NRO has agreed to examine the problem of the data block reader and will advise of the solution prior to the CPX scheduled for 21 January.

9. No decision was made, but the following items will be taken under consideration: The necessity for the clock being a primary item for launch; The requirements for the reproduction and readout of SI stellar index camera data.

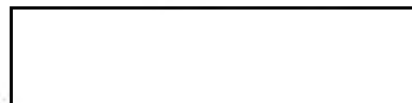
10. For mission L-1, it was agreed that the roll joint will not be unlocked prior to pass 7 descending. Other than zero roll, photography will not be taken before the roll joint is unlocked.

11. There was a review of the systems limitations and general agreement was reached by all parties in attendance as to these limitations. Due to systems limitations, the capability of obtaining a given target is decreased when the stereo mode is used as opposed to the mono mode.

12. There was complete agreement that the second CPX, nicknamed [ ] will not be held on 21 January with a launch of 1600Z for the purpose of getting the camera program illumination factors for a 2100Z launch to be used. There will be a four-day mission which will simulate, as closely as possible, mission L-1.

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Attachment - 1  
Agenda

Distribution:  
#1 & #2 - Colonel Murphy  
#3 & #4 - WECEN

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**Distribution:**

#1 & 2 - Colonel Murphy

#3 & 4 - WEGEN

#5 - AD/OSA

#6 - DAD/OSA

#7 - OSA/DD

#8 - OSA/SEC

#9 - OSA/COMMO

#10 - OSA/WX

#11 - OSA/C/OD

#12 - OSA/OD/COR

#13 - OSA/OD/COR (file)

#14 - OSA/BB

OSA/OD/COR/  (4 Jan 63)

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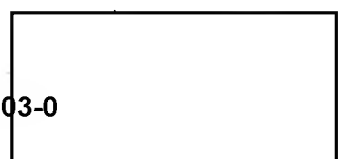
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### PROPOSED AGENDA

1. Review of Systems Limitations
2. Discussion of Planning Factors and Required Timing
  - A. Inclination Angle Selection (L-35)
  - B. Final Inclination Angle (L-19)
  - C. Prepare Camera Program (L-14)
  - D. Camera Settings (L-4)
3. Requirements for Exchange of Data after Launch
  - A. Lockheed's Computer Capability
  - B. WECEN's Computer Capability
  - C. Data needed by Project Headquarters
  - D. Data needed by Community
    - (1) Status Reports
    - (2) Decisions
  - E. Technical Data on Camera
  - F. Weather Requirements
4. Requirements for Exchange of Data after Recovery
  - A. Ephemeris Data
  - B. Technical Data on Camera and Vehicle
  - C. Stellar Index Camera
  - D. Data Block Reader
5. Other Items of Interest

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